

Amendments to the Specification

1. Please replace the paragraph numbered [0236] beginning at page 66, line 14, with the following rewritten paragraph:

— [0236] The following procedure can be used to compute the worst-case response time of each A-h-k-a process:

```
i:= 0;  
failure:= false;  
while i ≤ number-of-A-h-k-a-processes and not (failure) do  
begin  
    if  $a_i \in A\text{-h}\text{-k}\text{-a}$   
    then  
        begin  
            REnewi:= cai;  
            responsetimefound:= false;  
            while not(responsetimefound) and not(failure) do  
                begin  
                    REpreviousi:= REnewi;  
                    REnewi:= cai + DelayA( $a_i$ , REpreviousi) + DelayP( $(a_i, RE_{previousi})$   
                        + B( $a_i$ ) + GT( $a_i, RE_{previousi}$ );  
                    if REpreviousi = REnewi  
                    then  
                        begin  
                            REai:= REnewi;  
                            responsetimefound:= true;  
                        end  
                    if (REnewi > Lai)  
                    then failure:= true;  
                end;  
        end;
```

```
    end;  
    i:= i + 1;  
end. —
```

2. Please replace the paragraph numbered [0372] beginning at page 122, line 14, with the following rewritten paragraph:

— [0372] The following procedure can be used to compute the worst-case response time of each A-s-k process:

```
i:= 0;  
failure:= false;  
while i ≤ number-of-A-s-k-processes and not (failure) do  
begin  
    if  $a_i \in A\text{-s-k}$   
    then  
        begin  
            REnewi:= cai;  
            responsetimefound:= false;  
            while not(responsetimefound) and not(failure) do  
                begin  
                    REpreviousi:= REnewi;  
                    REnewi:= cai + DelayA( $a_i$ , REpreviousi) + DelayP( $(a_i, RE_{previousi})$   
                        + B( $a_i$ ));  
                    if REpreviousi = REnewi  
                    then  
                        begin  
                            REai:= REnewi;  
                            responsetimefound:= true;  
                        end  
                    if (REnewi > responsetimelimit)
```

```
    then failure:= true;  
end;  
end;  
i:= i + 1;  
end. —
```